ELSEVIER

The Journal of Systems and Software 47 (1999) 197–198

The Journal of Systems and Software

www.elsevier.com/locate/jss

Contents Volume 47

Contents

Editor's Corner:
Of counting schemes and end-of-century partying
R.L. Glass 1

Information technology push/pull reactions
D.H. Drury and A. Farhoomand 3

A multi-agent tuple-space based problem solving framework
F. Polat and R. Alhajj 11

A header-population based flow control for multicomputer networks
H. Çam 19

Spare capacity assignment in telecom networks using path restoration and further improvement using traffic splitting
J. Veerasamy, S. Venkatesan and J.C. Shah 27

Partition search filter and its performance analysis
C.-C. Chang, T.-F. Lee and J.-J. Leu 35

Using individual prefixes in B^+-trees
N. Walczuch and H. Hoeger 45

Synthesis of communications protocol converters using the timed Petri net model
M. Jaragh and K. Saleh 53

Editor's Corner:
Special issue – Journal of Systems and Software Contributors: top scholars (1993–1997)
K. Saleh 71

Editor's corner
R.L. Glass 73

Intelligent mobile agents in large distributed autonomous cooperative systems
J.S.K. Wong and A.R. Mikler 75

Towards more industrially relevant academic researches into testing of communicating systems
R. Lai 89

Evaluation techniques for improving the quality of very large software systems in a cost-effective way
E.J. Weyuker 97

Consistency management in a process environment
J.-Y.J. Chen and S.-C. Chou 105

Understanding and improving technology transfer in software engineering
S.L. Pfleeger 111

The distributed object computing paradigm: concepts and applications
K. Saleh, R. Probert and H. Khanafer 125

Rethinking the modes of software engineering research
A. Fuggetta 133

Towards an evaluative framework for software process improvement models
H. Saiedian and K. Chennupati 139

Software metrics: successes, failures and new directions
N.E. Fenton and M. Neil 149

Integrated design patterns for database applications
H.B.K. Tan and T.W. Ling 159

Testing evolving software
M.J. Harrold 173

Repetitive failure, feedback and the lost art of diagnosis
L. Hatton 183

Measurement and continuous improvement of software reliability throughout software life-cycle
J. Tian 189